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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2009; month=12; day=15; hr=9; min=17; sec=20; ms=708;]

=====

Reviewer Comments:

<210> 4

<211> 6

<212> PRT

<213> artifiical sequence

<400> 4

Gly Lys Ala Glu Lys Val

1 5

In the above <213> response, "Artificial" is misspelled. Also, please add an explanation of "<213> Artificial Sequence" in the <220>-<223> section; please indicate the source of the genetic material.

<210> 22

<211> 7

<212> PRT

<213> artificial sequence

<220>

<223> synthetic peptide

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> X is acetylated glycine

<400> 22

Gly Lys Ala Arg Ala Phe Leu
1 5

The above <223> response describes "Xaa" at location 1; however, "Gly" is at location 1.

<210> 40
<211> 12
<212> PRT
<213> artificial sequence

<220>
<223> synthetic peptide

<220>
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<222> (1)..(1)
<223> X is 3-nitrotyrosine

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<223> Dpr

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<222> (10)..(10)
<223> X is 2-aminobenzoic acid-substituted lysine (Lys-Abz)

<220>
<221> misc_feature
<222> (12)..(12)
<223> Xaa can be any naturally occurring amino acid

<400> 40

Xaa Gly Ser Lys Gly His Phe Lys Leu Xaa Phe Xaa
1 5 10

One of the above <220>-<223> sections describes "Xaa" at location 8;

however, "Lys" is at location 8.

Application No: 10535351

Version No: 1.0

Input Set:**Output Set:****Started:** 2009-11-24 18:16:54.881**Finished:** 2009-11-24 18:16:59.312**Elapsed:** 0 hr(s) 0 min(s) 4 sec(s) 431 ms**Total Warnings:** 47**Total Errors:** 11**No. of SeqIDs Defined:** 47**Actual SeqID Count:** 47

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W 213	Artificial or Unknown found in <213> in SEQ ID (19)
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Input Set:

Output Set:

Started: 2009-11-24 18:16:54.881
Finished: 2009-11-24 18:16:59.312
Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 431 ms
Total Warnings: 47
Total Errors: 11
No. of SeqIDs Defined: 47
Actual SeqID Count: 47

Error code	Error Description
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<110> The Johns Hopkins University
Denmead, Samuel
Isaacs, John
Lilja, Hans

<120> Activation of Peptide Prodrugs by hk2

<130> 50562-P001US

<140> 10535351

<141> 2009-11-24

<150> PCT/US03/36880

<151> 2003-11-18

<150> 60/427,309

<151> 2002-11-18

<160> 47

<170> PatentIn version 3.5

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1 5

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1 5

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1 5

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1 5

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1 5

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1 5

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<223> X is 2-aminobenzoic acid-substituted lysine (Lys-Abz)

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<210> 37

<211> 10

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<400> 37

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<210> 38

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<223> X is 3-nitrotyrosine

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<400> 38

Xaa Gly Lys Ala Phe Arg Arg Xaa Phe Xaa
1 5 10

<210> 39
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<400> 39

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1 5 10

<210> 40
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<220>
<221> misc_feature
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<223> Xaa can be any naturally occurring amino acid

<400> 40

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1 5 10

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<223> X is leucine functionalized at the C-terminal end with 12ADT
(L12ADT).

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<400> 42

Xaa Gly Lys Ala Phe Arg Arg Xaa Gly Xaa
1 5 10

<210> 43
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<400> 43

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1 5

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1 5 10

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<400> 46

Xaa Gly Ser Lys Gly Pro Phe Lys Leu Xaa Xaa
1 5 10

<210> 47
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<400> 47

Xaa Gly Ser Lys Gly His Phe His Leu Xaa Xaa
1 5 10